

Report No.: SEWA2303000029RG01

Rev.: 01

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# Appendix B.16

## LTE Band 43(3700-3800)



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band43	5MHz	QPSK	44615	1RB#0	22.12	18.01	30	PASS
Band43	5MHz	QPSK	44615	1RB#12	21.6	17.49	30	PASS
Band43	5MHz	QPSK	44615	1RB#24	21.59	17.48	30	PASS
Band43	5MHz	QPSK	44615	25RB#0	20.53	16.42	30	PASS
Band43	5MHz	QPSK	45090	1RB#0	22.03	17.92	30	PASS
Band43	5MHz	QPSK	45090	1RB#12	21.56	17.45	30	PASS
Band43	5MHz	QPSK	45090	1RB#24	21.57	17.46	30	PASS
Band43	5MHz	QPSK	45090	25RB#0	20.52	16.41	30	PASS
Band43	5MHz	QPSK	45565	1RB#0	22.06	17.95	30	PASS
Band43	5MHz	QPSK	45565	1RB#12	21.84	17.73	30	PASS
Band43	5MHz	QPSK	45565	1RB#24	21.81	17.7	30	PASS
Band43	5MHz	QPSK	45565	25RB#0	20.8	16.69	30	PASS
Band43	5MHz	16QAM	44615	1RB#0	20.82	16.71	30	PASS
Band43	5MHz	16QAM	44615	1RB#12	20.81	16.7	30	PASS
Band43	5MHz	16QAM	44615	1RB#24	20.82	16.71	30	PASS
Band43	5MHz	16QAM	44615	25RB#0	19.76	15.65	30	PASS
Band43	5MHz	16QAM	45090	1RB#0	20.77	16.66	30	PASS
Band43	5MHz	16QAM	45090	1RB#12	20.82	16.71	30	PASS
Band43	5MHz	16QAM	45090	1RB#24	20.8	16.69	30	PASS
Band43	5MHz	16QAM	45090	25RB#0	19.86	15.75	30	PASS
Band43	5MHz	16QAM	45565	1RB#0	21.07	16.96	30	PASS
Band43	5MHz	16QAM	45565	1RB#12	21.07	16.96	30	PASS
Band43	5MHz	16QAM	45565	1RB#24	21.05	16.94	30	PASS
Band43	5MHz	16QAM	45565	25RB#0	20.11	16	30	PASS
Band43	5MHz	64QAM	44615	1RB#0	19.8	15.69	30	PASS
Band43	5MHz	64QAM	44615	1RB#12	19.8	15.69	30	PASS
Band43	5MHz	64QAM	44615	1RB#24	19.81	15.7	30	PASS



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t (86-512) 62992980 sgs.china@sgs.com

Band43	5MHz	64QAM	44615	25RB#0	18.84	14.73	30	PASS
Band43	5MHz	64QAM	45090	1RB#0	19.82	15.71	30	PASS
Band43	5MHz	64QAM	45090	1RB#12	19.85	15.74	30	PASS
Band43	5MHz	64QAM	45090	1RB#24	19.85	15.74	30	PASS
Band43	5MHz	64QAM	45090	25RB#0	18.9	14.79	30	PASS
Band43	5MHz	64QAM	45565	1RB#0	20.15	16.04	30	PASS
Band43	5MHz	64QAM	45565	1RB#12	20.1	15.99	30	PASS
Band43	5MHz	64QAM	45565	1RB#24	20.1	15.99	30	PASS
Band43	5MHz	64QAM	45565	25RB#0	19.16	15.05	30	PASS
Band43	5MHz	256QAM	44615	1RB#0	16.82	12.71	30	PASS
Band43	5MHz	256QAM	44615	1RB#12	16.8	12.69	30	PASS
Band43	5MHz	256QAM	44615	1RB#24	16.81	12.7	30	PASS
Band43	5MHz	256QAM	44615	25RB#0	16.84	12.73	30	PASS
Band43	5MHz	256QAM	45090	1RB#0	16.84	12.73	30	PASS
Band43	5MHz	256QAM	45090	1RB#12	16.87	12.76	30	PASS
Band43	5MHz	256QAM	45090	1RB#24	16.84	12.73	30	PASS
Band43	5MHz	256QAM	45090	25RB#0	16.9	12.79	30	PASS
Band43	5MHz	256QAM	45565	1RB#0	17.12	13.01	30	PASS
Band43	5MHz	256QAM	45565	1RB#12	17.12	13.01	30	PASS
Band43	5MHz	256QAM	45565	1RB#24	17.1	12.99	30	PASS
Band43	5MHz	256QAM	45565	25RB#0	17.16	13.05	30	PASS
Band43	10MHz	QPSK	44640	1RB#0	21.98	17.87	30	PASS
Band43	10MHz	QPSK	44640	1RB#24	21.58	17.47	30	PASS
Band43	10MHz	QPSK	44640	1RB#49	21.58	17.47	30	PASS
Band43	10MHz	QPSK	44640	50RB#0	20.57	16.46	30	PASS
Band43	10MHz	QPSK	45090	1RB#0	21.85	17.74	30	PASS
Band43	10MHz	QPSK	45090	1RB#24	21.57	17.46	30	PASS
Band43	10MHz	QPSK	45090	1RB#49	21.62	17.51	30	PASS
Band43	10MHz	QPSK	45090	50RB#0	20.56	16.45	30	PASS
Band43	10MHz	QPSK	45540	1RB#0	22.03	17.92	30	PASS
Band43	10MHz	QPSK	45540	1RB#24	21.9	17.79	30	PASS
Band43	10MHz	QPSK	45540	1RB#49	21.82	17.71	30	PASS



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Band43	10MHz	QPSK	45540	50RB#0	20.82	16.71	30	PASS
Band43	10MHz	16QAM	44640	1RB#0	20.78	16.67	30	PASS
Band43	10MHz	16QAM	44640	1RB#24	20.8	16.69	30	PASS
Band43	10MHz	16QAM	44640	1RB#49	20.83	16.72	30	PASS
Band43	10MHz	16QAM	44640	50RB#0	19.89	15.78	30	PASS
Band43	10MHz	16QAM	45090	1RB#0	20.73	16.62	30	PASS
Band43	10MHz	16QAM	45090	1RB#24	20.8	16.69	30	PASS
Band43	10MHz	16QAM	45090	1RB#49	20.85	16.74	30	PASS
Band43	10MHz	16QAM	45090	50RB#0	19.93	15.82	30	PASS
Band43	10MHz	16QAM	45540	1RB#0	21.06	16.95	30	PASS
Band43	10MHz	16QAM	45540	1RB#24	21.13	17.02	30	PASS
Band43	10MHz	16QAM	45540	1RB#49	21.06	16.95	30	PASS
Band43	10MHz	16QAM	45540	50RB#0	20.24	16.13	30	PASS
Band43	10MHz	64QAM	44640	1RB#0	19.8	15.69	30	PASS
Band43	10MHz	64QAM	44640	1RB#24	19.82	15.71	30	PASS
Band43	10MHz	64QAM	44640	1RB#49	19.82	15.71	30	PASS
Band43	10MHz	64QAM	44640	50RB#0	18.91	14.8	30	PASS
Band43	10MHz	64QAM	45090	1RB#0	19.79	15.68	30	PASS
Band43	10MHz	64QAM	45090	1RB#24	19.83	15.72	30	PASS
Band43	10MHz	64QAM	45090	1RB#49	19.9	15.79	30	PASS
Band43	10MHz	64QAM	45090	50RB#0	18.97	14.86	30	PASS
Band43	10MHz	64QAM	45540	1RB#0	20.19	16.08	30	PASS
Band43	10MHz	64QAM	45540	1RB#24	20.14	16.03	30	PASS
Band43	10MHz	64QAM	45540	1RB#49	20.09	15.98	30	PASS
Band43	10MHz	64QAM	45540	50RB#0	19.27	15.16	30	PASS
Band43	10MHz	256QAM	44640	1RB#0	16.75	12.64	30	PASS
Band43	10MHz	256QAM	44640	1RB#24	16.84	12.73	30	PASS
Band43	10MHz	256QAM	44640	1RB#49	16.79	12.68	30	PASS
Band43	10MHz	256QAM	44640	50RB#0	16.89	12.78	30	PASS
Band43	10MHz	256QAM	45090	1RB#0	16.77	12.66	30	PASS
Band43	10MHz	256QAM	45090	1RB#24	16.83	12.72	30	PASS
Band43	10MHz	256QAM	45090	1RB#49	16.88	12.77	30	PASS



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Band43	10MHz	256QAM	45090	50RB#0	16.96	12.85	30	PASS
Band43	10MHz	256QAM	45540	1RB#0	17.16	13.05	30	PASS
Band43	10MHz	256QAM	45540	1RB#24	17.14	13.03	30	PASS
Band43	10MHz	256QAM	45540	1RB#49	17.08	12.97	30	PASS
Band43	10MHz	256QAM	45540	50RB#0	17.27	13.16	30	PASS
Band43	15MHz	QPSK	44665	1RB#0	21.43	17.32	30	PASS
Band43	15MHz	QPSK	44665	1RB#38	21.53	17.42	30	PASS
Band43	15MHz	QPSK	44665	1RB#74	21.52	17.41	30	PASS
Band43	15MHz	QPSK	44665	75RB#0	20.49	16.38	30	PASS
Band43	15MHz	QPSK	45090	1RB#0	21.89	17.78	30	PASS
Band43	15MHz	QPSK	45090	1RB#38	21.52	17.41	30	PASS
Band43	15MHz	QPSK	45090	1RB#74	21.6	17.49	30	PASS
Band43	15MHz	QPSK	45090	75RB#0	20.56	16.45	30	PASS
Band43	15MHz	QPSK	45515	1RB#0	21.78	17.67	30	PASS
Band43	15MHz	QPSK	45515	1RB#38	21.82	17.71	30	PASS
Band43	15MHz	QPSK	45515	1RB#74	21.81	17.7	30	PASS
Band43	15MHz	QPSK	45515	75RB#0	20.84	16.73	30	PASS
Band43	15MHz	16QAM	44665	1RB#0	20.69	16.58	30	PASS
Band43	15MHz	16QAM	44665	1RB#38	20.73	16.62	30	PASS
Band43	15MHz	16QAM	44665	1RB#74	20.77	16.66	30	PASS
Band43	15MHz	16QAM	44665	75RB#0	19.8	15.69	30	PASS
Band43	15MHz	16QAM	45090	1RB#0	20.66	16.55	30	PASS
Band43	15MHz	16QAM	45090	1RB#38	20.74	16.63	30	PASS
Band43	15MHz	16QAM	45090	1RB#74	20.84	16.73	30	PASS
Band43	15MHz	16QAM	45090	75RB#0	19.9	15.79	30	PASS
Band43	15MHz	16QAM	45515	1RB#0	20.98	16.87	30	PASS
Band43	15MHz	16QAM	45515	1RB#38	21.06	16.95	30	PASS
Band43	15MHz	16QAM	45515	1RB#74	21.05	16.94	30	PASS
Band43	15MHz	16QAM	45515	75RB#0	20.21	16.1	30	PASS
Band43	15MHz	64QAM	44665	1RB#0	19.71	15.6	30	PASS
Band43	15MHz	64QAM	44665	1RB#38	19.8	15.69	30	PASS
Band43	15MHz	64QAM	44665	1RB#74	19.78	15.67	30	PASS



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Band43	15MHz	64QAM	44665	75RB#0	18.83	14.72	30	PASS
Band43	15MHz	64QAM	45090	1RB#0	19.74	15.63	30	PASS
Band43	15MHz	64QAM	45090	1RB#38	19.84	15.73	30	PASS
Band43	15MHz	64QAM	45090	1RB#74	19.92	15.81	30	PASS
Band43	15MHz	64QAM	45090	75RB#0	18.91	14.8	30	PASS
Band43	15MHz	64QAM	45515	1RB#0	20.11	16	30	PASS
Band43	15MHz	64QAM	45515	1RB#38	20.17	16.06	30	PASS
Band43	15MHz	64QAM	45515	1RB#74	20.12	16.01	30	PASS
Band43	15MHz	64QAM	45515	75RB#0	19.28	15.17	30	PASS
Band43	15MHz	256QAM	44665	1RB#0	16.71	12.6	30	PASS
Band43	15MHz	256QAM	44665	1RB#38	16.78	12.67	30	PASS
Band43	15MHz	256QAM	44665	1RB#74	16.79	12.68	30	PASS
Band43	15MHz	256QAM	44665	75RB#0	16.8	12.69	30	PASS
Band43	15MHz	256QAM	45090	1RB#0	16.7	12.59	30	PASS
Band43	15MHz	256QAM	45090	1RB#38	16.82	12.71	30	PASS
Band43	15MHz	256QAM	45090	1RB#74	16.91	12.8	30	PASS
Band43	15MHz	256QAM	45090	75RB#0	16.9	12.79	30	PASS
Band43	15MHz	256QAM	45515	1RB#0	17.1	12.99	30	PASS
Band43	15MHz	256QAM	45515	1RB#38	17.14	13.03	30	PASS
Band43	15MHz	256QAM	45515	1RB#74	17.09	12.98	30	PASS
Band43	15MHz	256QAM	45515	75RB#0	17.2	13.09	30	PASS
Band43	20MHz	QPSK	44690	1RB#0	21.46	17.35	30	PASS
Band43	20MHz	QPSK	44690	1RB#49	21.52	17.41	30	PASS
Band43	20MHz	QPSK	44690	1RB#99	21.57	17.46	30	PASS
Band43	20MHz	QPSK	44690	100RB#0	20.52	16.41	30	PASS
Band43	20MHz	QPSK	45090	1RB#0	21.96	17.85	30	PASS
Band43	20MHz	QPSK	45090	1RB#49	21.51	17.4	30	PASS
Band43	20MHz	QPSK	45090	1RB#99	21.65	17.54	30	PASS
Band43	20MHz	QPSK	45090	100RB#0	20.59	16.48	30	PASS
Band43	20MHz	QPSK	45490	1RB#0	21.78	17.67	30	PASS
Band43	20MHz	QPSK	45490	1RB#49	21.82	17.71	30	PASS
Band43	20MHz	QPSK	45490	1RB#99	21.82	17.71	30	PASS



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Band43	20MHz	QPSK	45490	100RB#0	20.86	16.75	30	PASS
Band43	20MHz	16QAM	44690	1RB#0	20.72	16.61	30	PASS
Band43	20MHz	16QAM	44690	1RB#49	20.81	16.7	30	PASS
Band43	20MHz	16QAM	44690	1RB#99	20.83	16.72	30	PASS
Band43	20MHz	16QAM	44690	100RB#0	19.84	15.73	30	PASS
Band43	20MHz	16QAM	45090	1RB#0	20.65	16.54	30	PASS
Band43	20MHz	16QAM	45090	1RB#49	20.74	16.63	30	PASS
Band43	20MHz	16QAM	45090	1RB#99	20.88	16.77	30	PASS
Band43	20MHz	16QAM	45090	100RB#0	19.96	15.85	30	PASS
Band43	20MHz	16QAM	45490	1RB#0	20.97	16.86	30	PASS
Band43	20MHz	16QAM	45490	1RB#49	21.08	16.97	30	PASS
Band43	20MHz	16QAM	45490	1RB#99	21.09	16.98	30	PASS
Band43	20MHz	16QAM	45490	100RB#0	20.27	16.16	30	PASS
Band43	20MHz	64QAM	44690	1RB#0	19.7	15.59	30	PASS
Band43	20MHz	64QAM	44690	1RB#49	19.76	15.65	30	PASS
Band43	20MHz	64QAM	44690	1RB#99	19.8	15.69	30	PASS
Band43	20MHz	64QAM	44690	100RB#0	18.8	14.69	30	PASS
Band43	20MHz	64QAM	45090	1RB#0	19.7	15.59	30	PASS
Band43	20MHz	64QAM	45090	1RB#49	19.81	15.7	30	PASS
Band43	20MHz	64QAM	45090	1RB#99	19.98	15.87	30	PASS
Band43	20MHz	64QAM	45090	100RB#0	18.93	14.82	30	PASS
Band43	20MHz	64QAM	45490	1RB#0	20.13	16.02	30	PASS
Band43	20MHz	64QAM	45490	1RB#49	20.18	16.07	30	PASS
Band43	20MHz	64QAM	45490	1RB#99	20.13	16.02	30	PASS
Band43	20MHz	64QAM	45490	100RB#0	19.25	15.14	30	PASS
Band43	20MHz	256QAM	44690	1RB#0	16.69	12.58	30	PASS
Band43	20MHz	256QAM	44690	1RB#49	16.79	12.68	30	PASS
Band43	20MHz	256QAM	44690	1RB#99	16.79	12.68	30	PASS
Band43	20MHz	256QAM	44690	100RB#0	16.79	12.68	30	PASS
Band43	20MHz	256QAM	45090	1RB#0	16.69	12.58	30	PASS
Band43	20MHz	256QAM	45090	1RB#49	16.84	12.73	30	PASS
Band43	20MHz	256QAM	45090	1RB#99	16.97	12.86	30	PASS



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Report No.: SEWA2303000029RG01  
Rev.: 01  
Page: 8 of 64

Band43	20MHz	256QAM	45090	100RB#0	16.94	12.83	30	PASS
Band43	20MHz	256QAM	45490	1RB#0	17.06	12.95	30	PASS
Band43	20MHz	256QAM	45490	1RB#49	17.14	13.03	30	PASS
Band43	20MHz	256QAM	45490	1RB#99	17.13	13.02	30	PASS
Band43	20MHz	256QAM	45490	100RB#0	17.25	13.14	30	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band43	20MHz	QPSK	44690	100RB#0	9.18	13	PASS
Band43	20MHz	QPSK	45090	100RB#0	9.24	13	PASS
Band43	20MHz	QPSK	45490	100RB#0	9.22	13	PASS
Band43	20MHz	16QAM	44690	100RB#0	9.76	13	PASS
Band43	20MHz	16QAM	45090	100RB#0	9.90	13	PASS
Band43	20MHz	16QAM	45490	100RB#0	9.78	13	PASS
Band43	20MHz	64QAM	44690	100RB#0	10.10	13	PASS
Band43	20MHz	64QAM	45090	100RB#0	9.96	13	PASS
Band43	20MHz	64QAM	45490	100RB#0	10.06	13	PASS
Band43	20MHz	256QAM	44690	100RB#0	10.34	13	PASS
Band43	20MHz	256QAM	45090	100RB#0	10.36	13	PASS
Band43	20MHz	256QAM	45490	100RB#0	10.32	13	PASS



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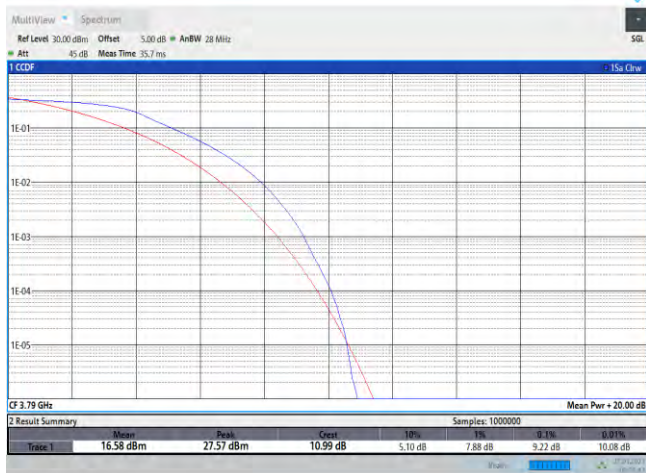
Test Graphs

Band43-20MHz-QPSK-44690-100RB#0



14:49:12 10.03.2023

Band43-20MHz-QPSK-45090-100RB#0



06:31:48 21.03.2023



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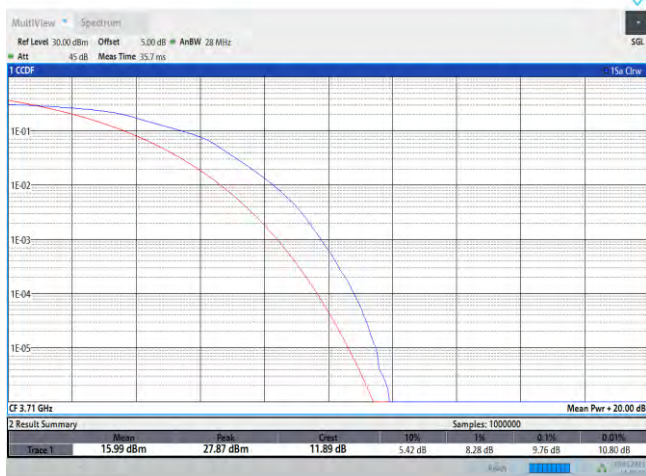
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Band43-20MHz-QPSK-45490-100RB#0



06:31:48 21.03.2023

Band43-20MHz-16QAM-44690-100RB#0



14:49:28 10.03.2023

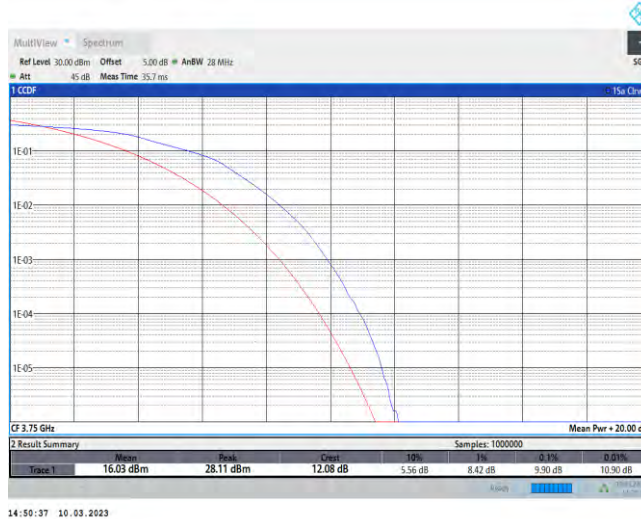


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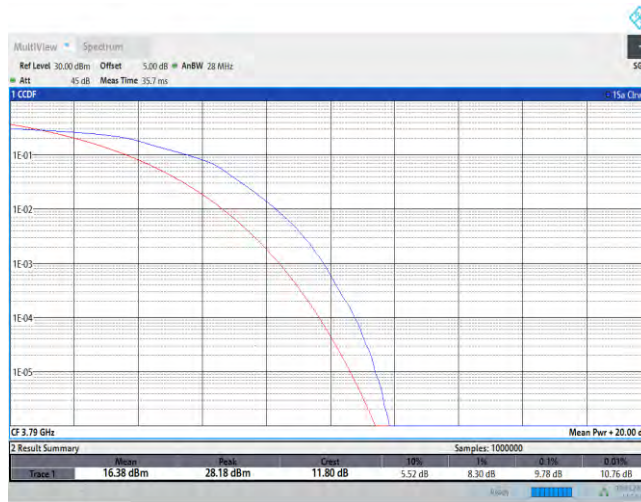
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Band43-20MHz-16QAM-45090-100RB#0



14:50:37 10.03.2023

Band43-20MHz-16QAM-45490-100RB#0



14:51:45 10.03.2023



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Band43-20MHz-64QAM-44690-100RB#0



14:49:45 10.03.2023

Band43-20MHz-64QAM-45090-100RB#0



14:50:53 10.03.2023



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Band43-20MHz-64QAM-45490-100RB#0



14:52:01 10.03.2023

Band43-20MHz-256QAM-44690-100RB#0



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14:51:10 10.03.2023

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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band43	20MHz	QPSK	45090	100RB#0	PASS	PASS
Band43	20MHz	16QAM	45090	100RB#0	PASS	PASS
Band43	20MHz	64QAM	45090	100RB#0	PASS	PASS
Band43	20MHz	256QAM	45090	100RB#0	PASS	PASS



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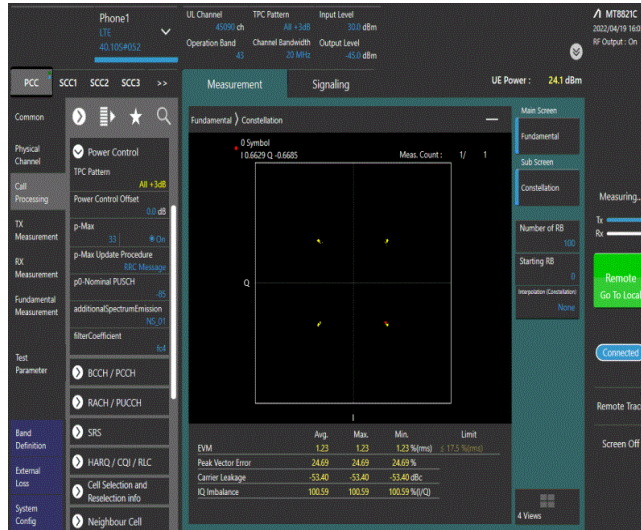
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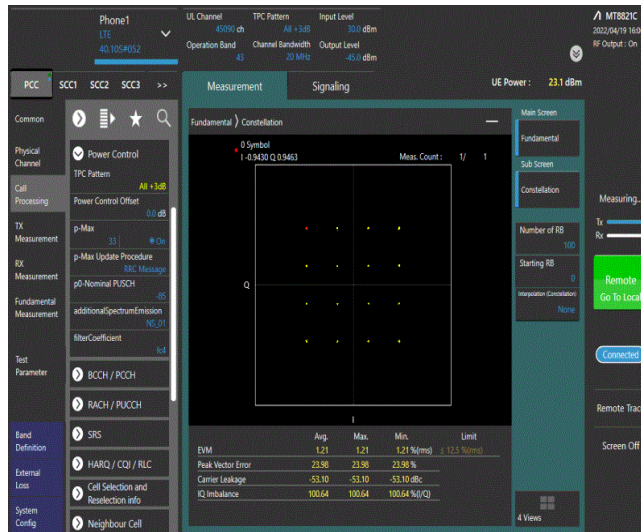


Test Graphs

Band43-20MHz-QPSK-45090-100RB#0



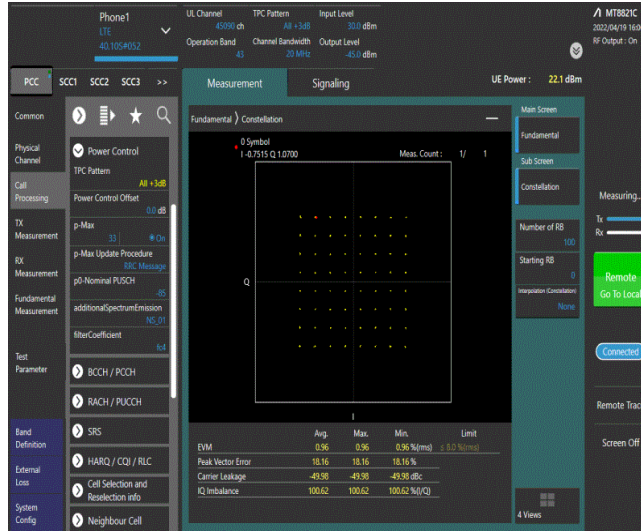
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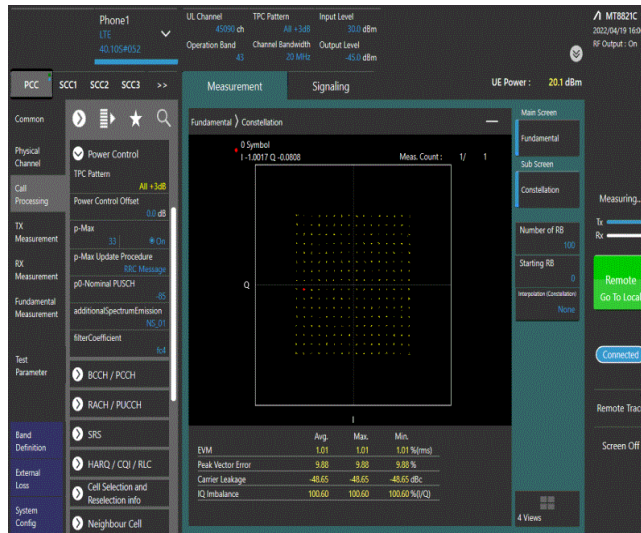
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Band43-20MHz-256QAM-45090-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band43	5MHz	QPSK	44615	25RB#0	4.494	4.77	PASS
Band43	5MHz	QPSK	45090	25RB#0	4.49	4.77	PASS
Band43	5MHz	QPSK	45565	25RB#0	4.492	4.77	PASS
Band43	5MHz	16QAM	44615	25RB#0	4.498	4.79	PASS
Band43	5MHz	16QAM	45090	25RB#0	4.497	4.78	PASS
Band43	5MHz	16QAM	45565	25RB#0	4.497	4.79	PASS
Band43	5MHz	64QAM	44615	25RB#0	4.502	4.78	PASS
Band43	5MHz	64QAM	45090	25RB#0	4.503	4.78	PASS
Band43	5MHz	64QAM	45565	25RB#0	4.506	4.77	PASS
Band43	5MHz	256QAM	44615	25RB#0	4.483	4.76	PASS
Band43	5MHz	256QAM	45090	25RB#0	4.486	4.76	PASS
Band43	5MHz	256QAM	45565	25RB#0	4.486	4.75	PASS
Band43	10MHz	QPSK	44640	50RB#0	8.981	9.53	PASS
Band43	10MHz	QPSK	45090	50RB#0	8.967	9.53	PASS
Band43	10MHz	QPSK	45540	50RB#0	8.975	9.53	PASS
Band43	10MHz	16QAM	44640	50RB#0	8.971	9.53	PASS
Band43	10MHz	16QAM	45090	50RB#0	8.973	9.53	PASS
Band43	10MHz	16QAM	45540	50RB#0	8.967	9.53	PASS
Band43	10MHz	64QAM	44640	50RB#0	8.972	9.53	PASS
Band43	10MHz	64QAM	45090	50RB#0	8.973	9.53	PASS
Band43	10MHz	64QAM	45540	50RB#0	8.96	9.53	PASS
Band43	10MHz	256QAM	44640	50RB#0	8.97	9.53	PASS
Band43	10MHz	256QAM	45090	50RB#0	8.972	9.53	PASS
Band43	10MHz	256QAM	45540	50RB#0	8.963	9.53	PASS
Band43	15MHz	QPSK	44665	75RB#0	13.439	14.30	PASS
Band43	15MHz	QPSK	45090	75RB#0	13.451	14.30	PASS
Band43	15MHz	QPSK	45515	75RB#0	13.457	14.30	PASS
Band43	15MHz	16QAM	44665	75RB#0	13.455	14.30	PASS
Band43	15MHz	16QAM	45090	75RB#0	13.464	14.30	PASS
Band43	15MHz	16QAM	45515	75RB#0	13.451	14.30	PASS
Band43	15MHz	64QAM	44665	75RB#0	13.457	14.30	PASS



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Report No.: SEWA2303000029RG01

Rev.: 01

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Band43	15MHz	64QAM	45090	75RB#0	13.46	14.30	PASS
Band43	15MHz	64QAM	45515	75RB#0	13.465	14.30	PASS
Band43	15MHz	256QAM	44665	75RB#0	13.442	14.30	PASS
Band43	15MHz	256QAM	45090	75RB#0	13.457	14.30	PASS
Band43	15MHz	256QAM	45515	75RB#0	13.448	14.30	PASS
Band43	20MHz	QPSK	44690	100RB#0	17.997	19.33	PASS
Band43	20MHz	QPSK	45090	100RB#0	17.998	19.33	PASS
Band43	20MHz	QPSK	45490	100RB#0	17.991	19.33	PASS
Band43	20MHz	16QAM	44690	100RB#0	17.988	19.27	PASS
Band43	20MHz	16QAM	45090	100RB#0	17.999	19.27	PASS
Band43	20MHz	16QAM	45490	100RB#0	17.996	19.27	PASS
Band43	20MHz	64QAM	44690	100RB#0	18.013	19.33	PASS
Band43	20MHz	64QAM	45090	100RB#0	18.003	19.33	PASS
Band43	20MHz	64QAM	45490	100RB#0	18.001	19.33	PASS
Band43	20MHz	256QAM	44690	100RB#0	17.98	19.33	PASS
Band43	20MHz	256QAM	45090	100RB#0	17.99	19.33	PASS
Band43	20MHz	256QAM	45490	100RB#0	17.982	19.33	PASS



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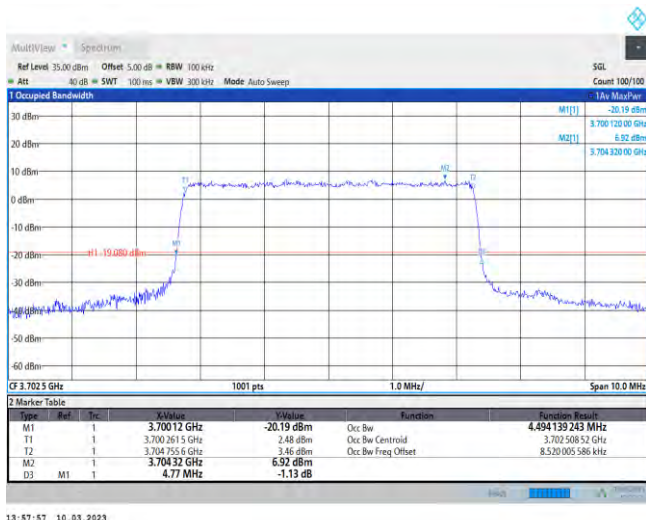
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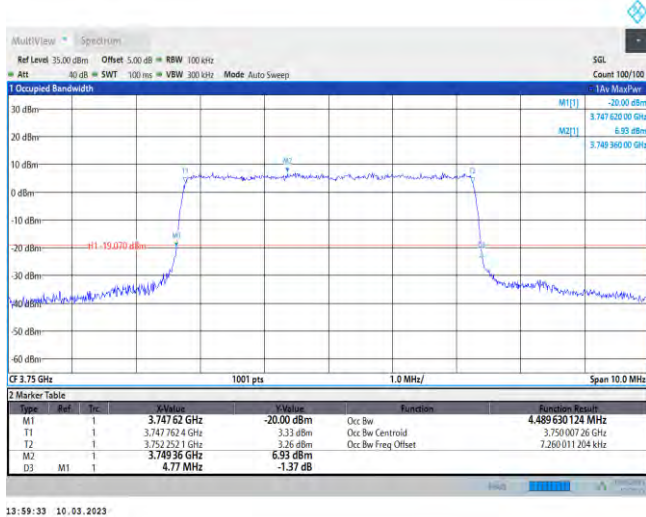
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Test Graphs

Band43-5MHz-QPSK-44615-25RB#0



Band43-5MHz-QPSK-45090-25RB#0

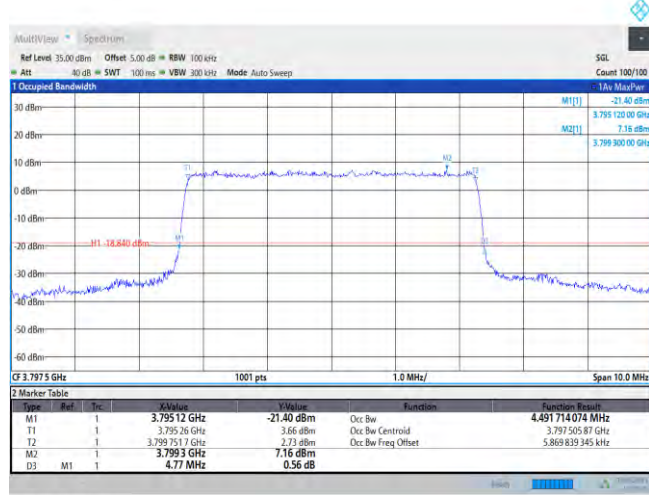


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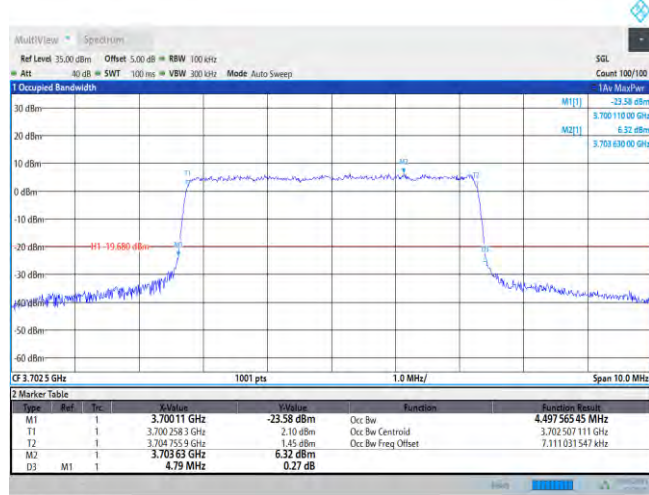
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Band43-5MHz-QPSK-45565-25RB#0



14:01:09 10.03.2023

Band43-5MHz-16QAM-44615-25RB#0



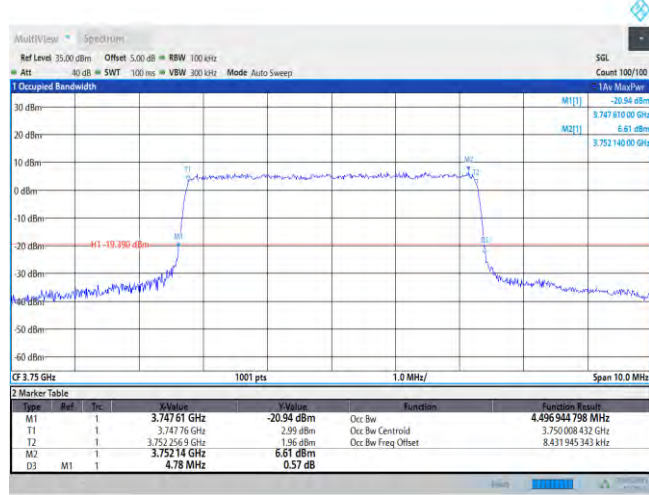
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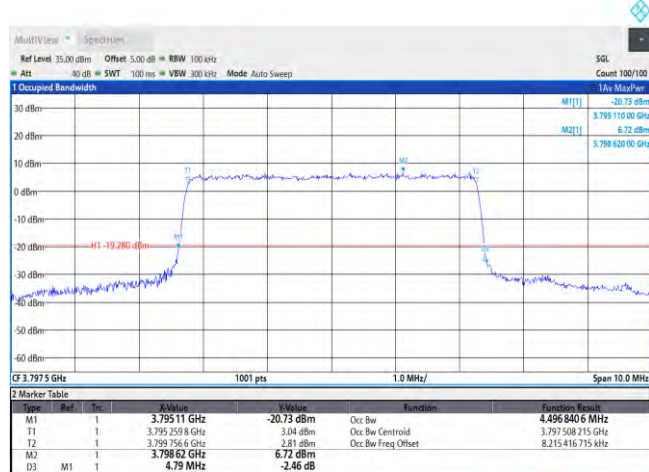
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Band43-5MHz-16QAM-45090-25RB#0



13:59:57 10.03.2023

Band43-5MHz-16QAM-45565-25RB#0



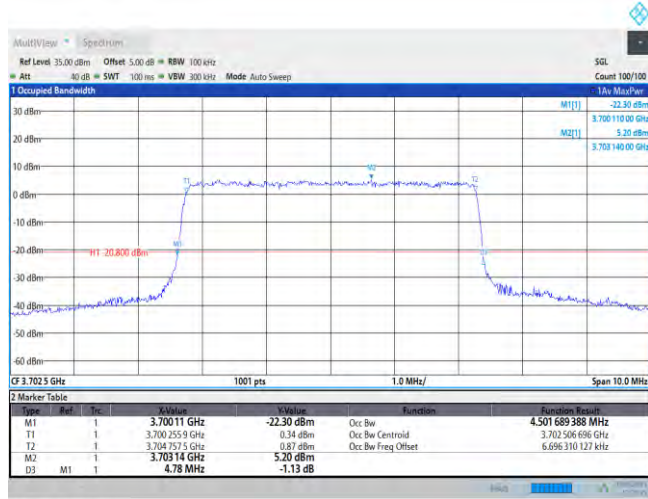
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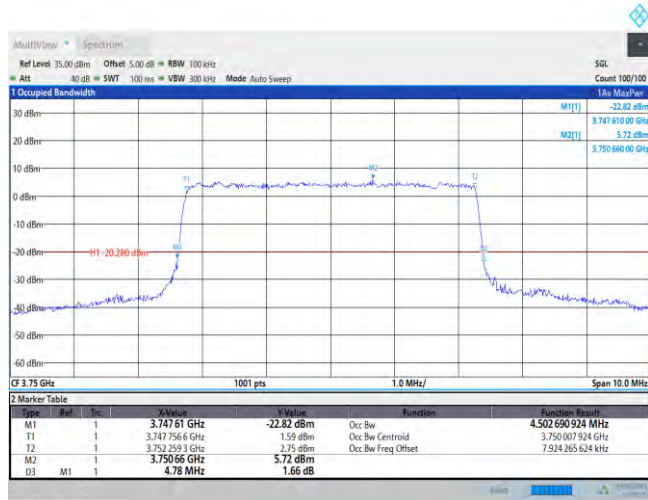
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Band43-5MHz-64QAM-44615-25RB#0



13:58:44 10.03.2023

Band43-5MHz-64QAM-45090-25RB#0



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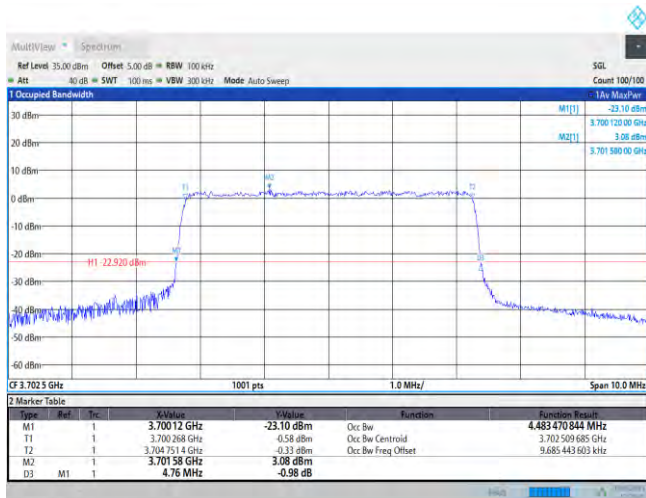


Band43-5MHz-64QAM-45565-25RB#0



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Band43-5MHz-256QAM-44615-25RB#0



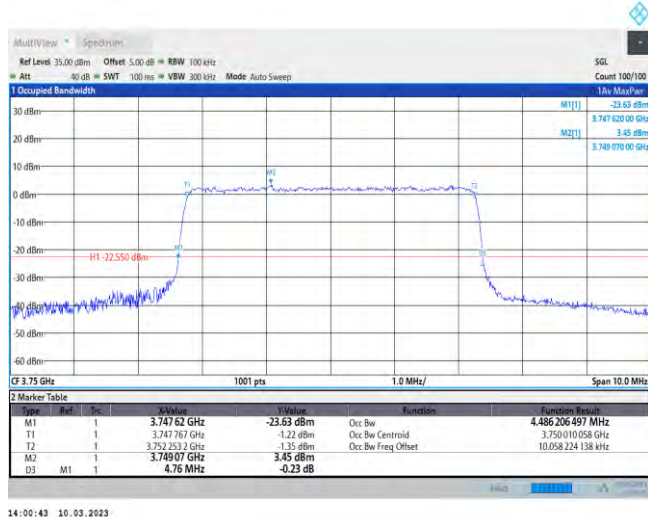
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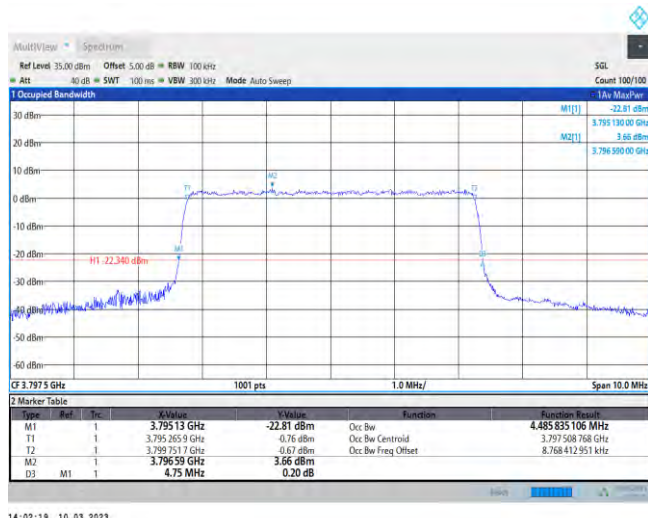
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Band43-5MHz-256QAM-45090-25RB#0



14:00:43 10.03.2023

Band43-5MHz-256QAM-45665-25RB#0



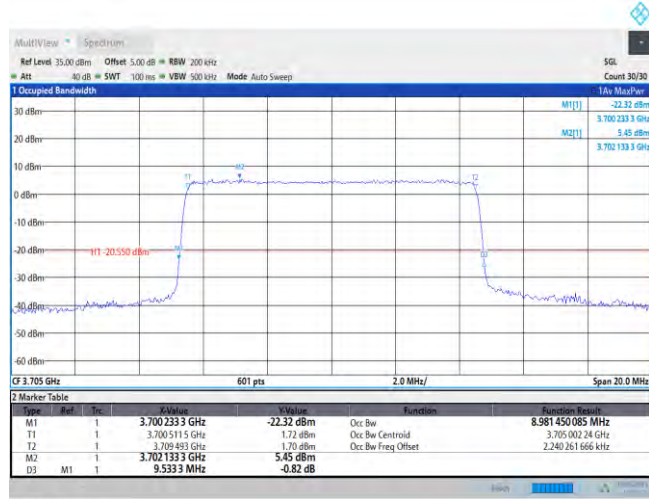
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Band43-10MHz-QPSK-44640-50RB#0



14:12:56 10.03.2023

Band43-10MHz-QPSK-45090-50RB#0



14:14:03 10.03.2023

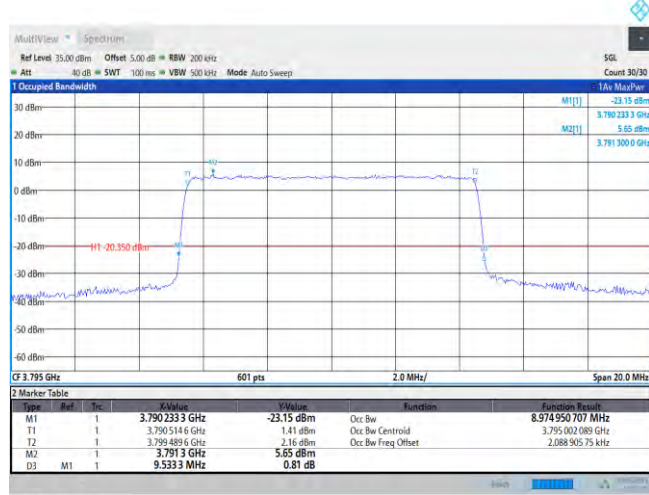


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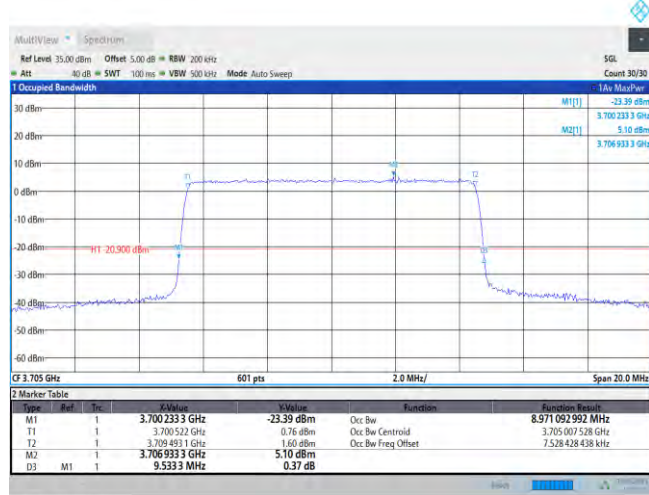
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Band43-10MHz-QPSK-45540-50RB#0



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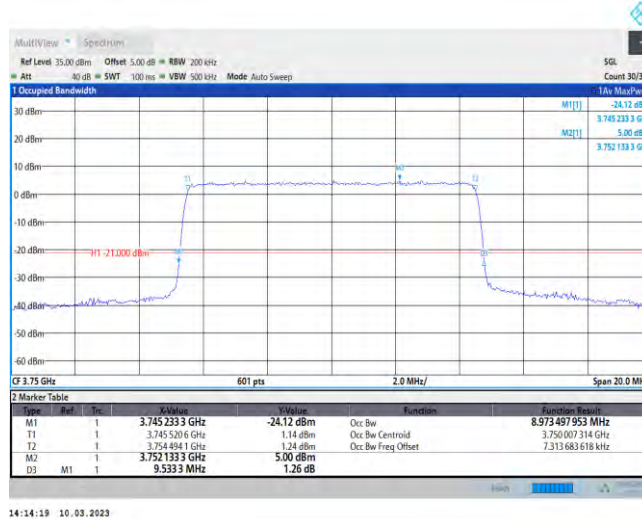
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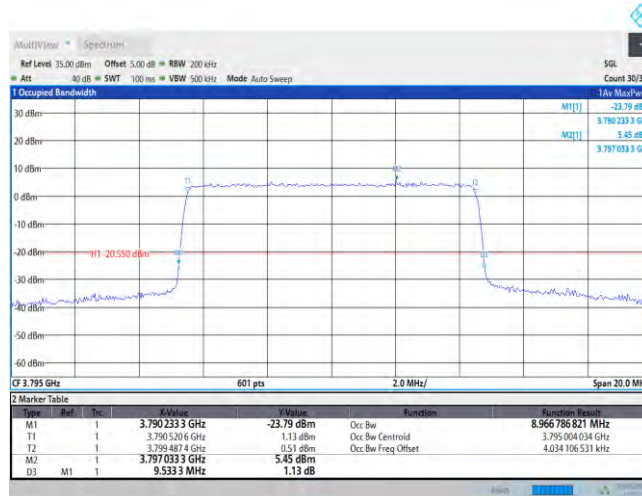
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Band43-10MHz-16QAM-45090-50RB#0



14:14:19 10.03.2023

Band43-10MHz-16QAM-45540-50RB#0



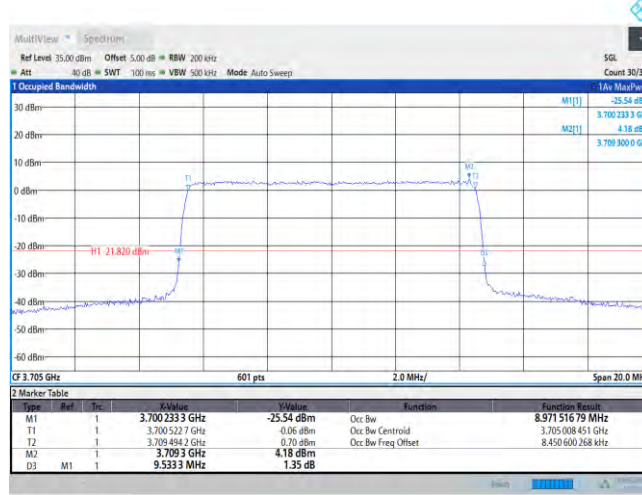
14:15:27 10.03.2023



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Band43-10MHz-64QAM-44640-50RB#0



14:13:29 10.03.2023

Band43-10MHz-64QAM-45090-50RB#0



14:14:36 10.03.2023



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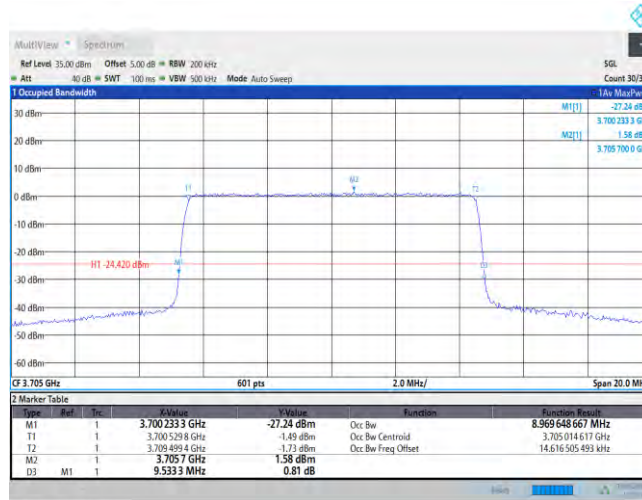
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Band43-10MHz-64QAM-45540-50RB#0



14:15:43 10.03.2023

Band43-10MHz-256QAM-44640-50RB#0



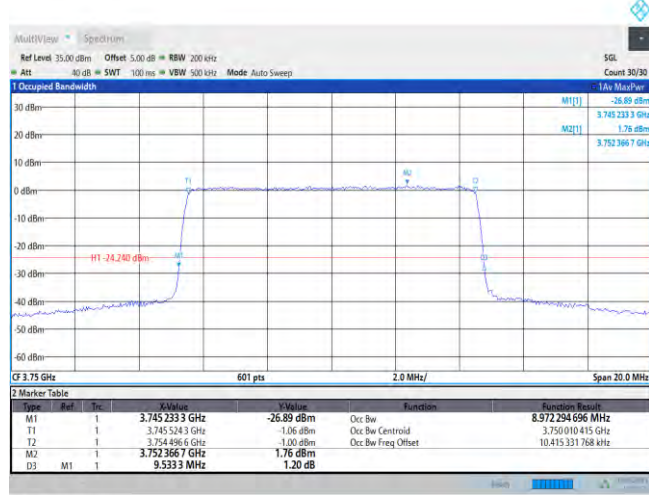
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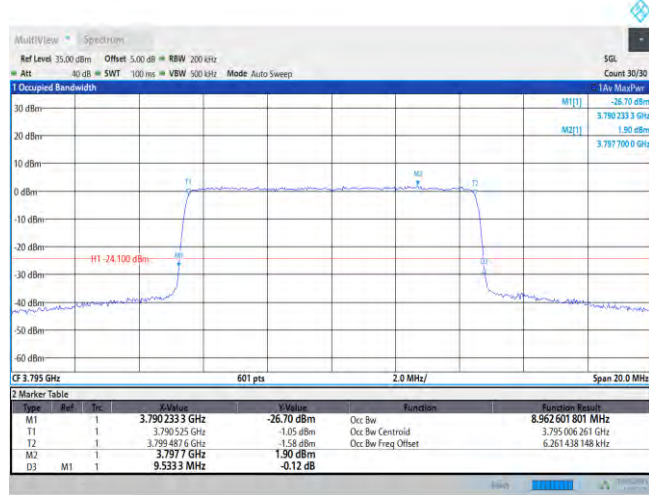
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Band43-10MHz-256QAM-45090-50RB#0



14:14:52 10.03.2023

Band43-10MHz-256QAM-45540-50RB#0



14:15:59 10.03.2023

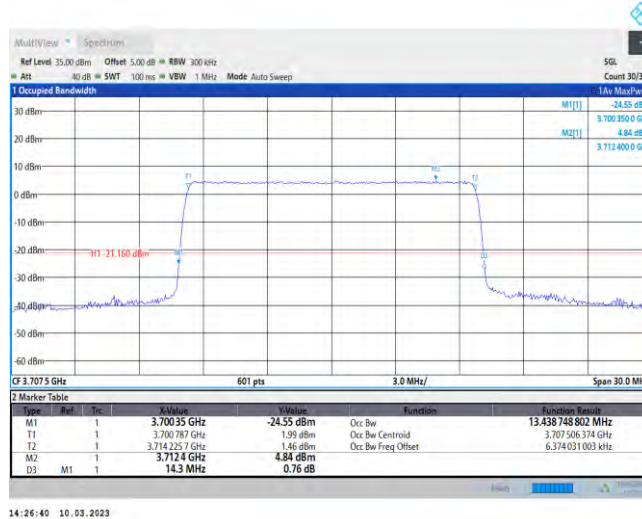


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Band43-15MHz-QPSK-44665-75RB#0



14:26:40 10.03.2023

Band43-15MHz-QPSK-45090-75RB#0



14:27:47 10.03.2023



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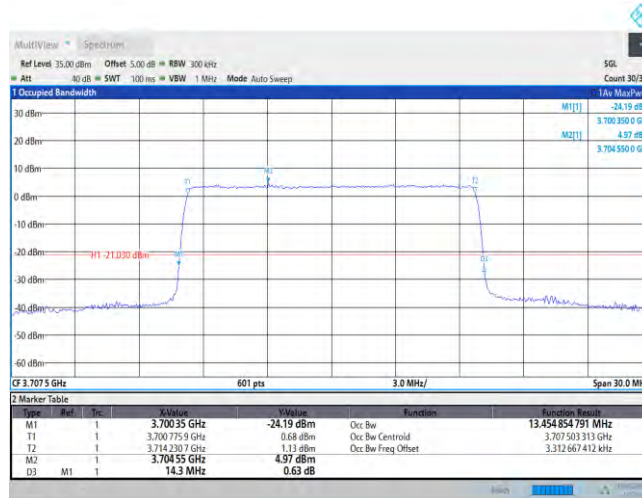
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Band43-15MHz-QPSK-45515-75RB#0



14:28:54 10.03.2023

Band43-15MHz-16QAM-44665-75RB#0



14:26:56 10.03.2023

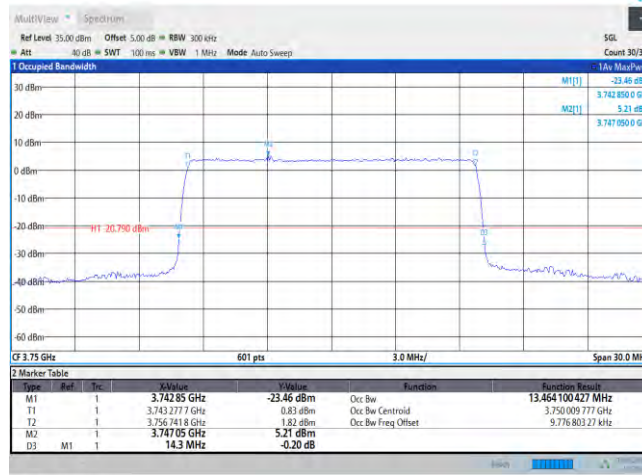


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Band43-15MHz-16QAM-45090-75RB#0



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Band43-15MHz-16QAM-45515-75RB#0



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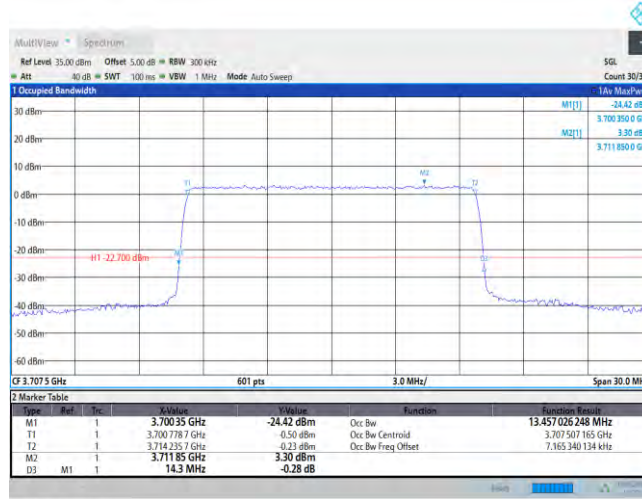


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Band43-15MHz-64QAM-44665-75RB#0



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Band43-15MHz-64QAM-45090-75RB#0



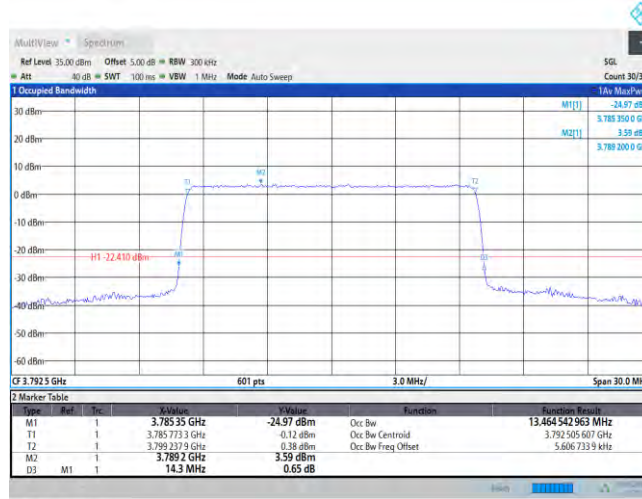
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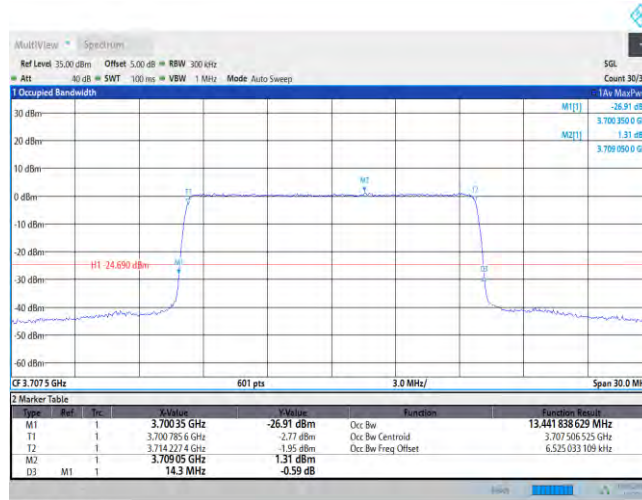
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Band43-15MHz-256QAM-45090-75RB#0



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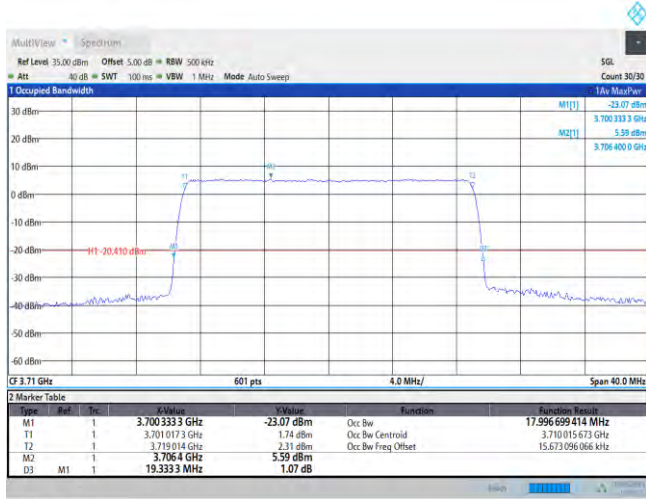
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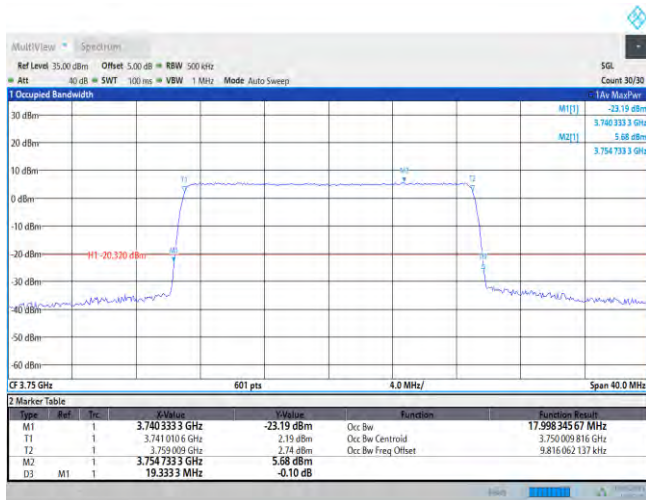
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Band43-20MHz-QPSK-44690-100RB#0



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Band43-20MHz-QPSK-45090-100RB#0



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Band43-20MHz-QPSK-45490-100RB#0



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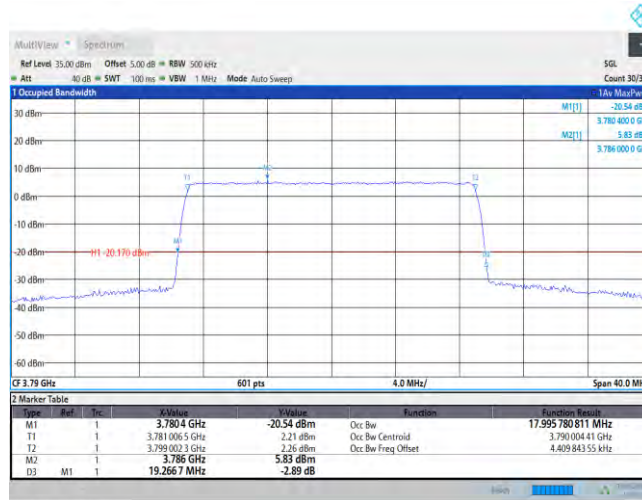


Band43-20MHz-16QAM-45090-100RB#0



14:45:20 10.03.2023

Band43-20MHz-16QAM-45490-100RB#0



14:46:28 10.03.2023



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Band43-20MHz-64QAM-44690-100RB#0



14:44:29 10.03.2023

Band43-20MHz-64QAM-45090-100RB#0



14:45:36 10.03.2023



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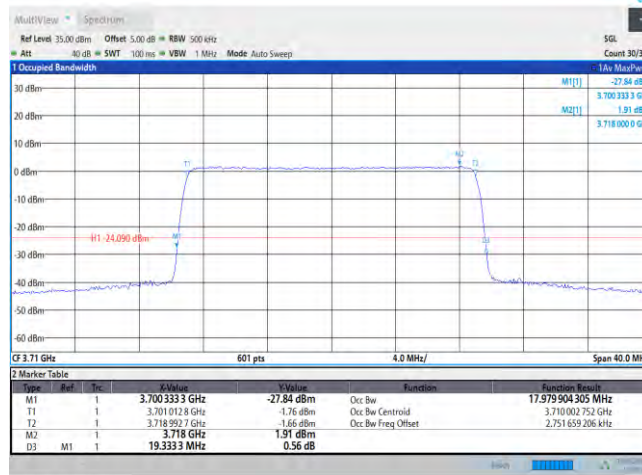
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Band43-20MHz-64QAM-45490-100RB#0



14:46:44 10.03.2023

Band43-20MHz-256QAM-44690-100RB#0



14:44:45 10.03.2023



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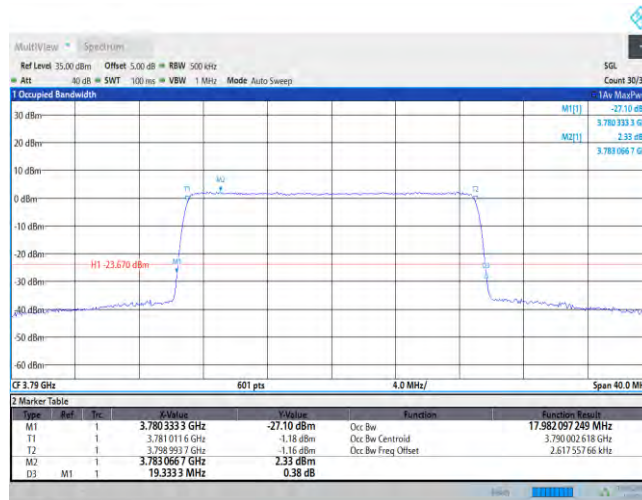
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Band43-20MHz-256QAM-45090-100RB#0



14:45:52 10.03.2023

Band43-20MHz-256QAM-45490-100RB#0



14:47:00 10.03.2023



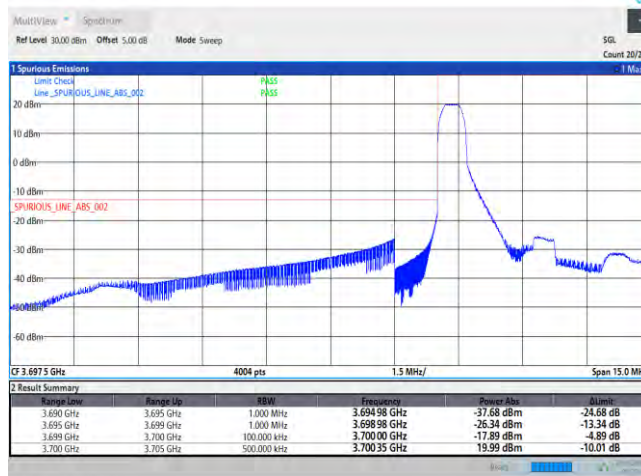
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## Band Edge

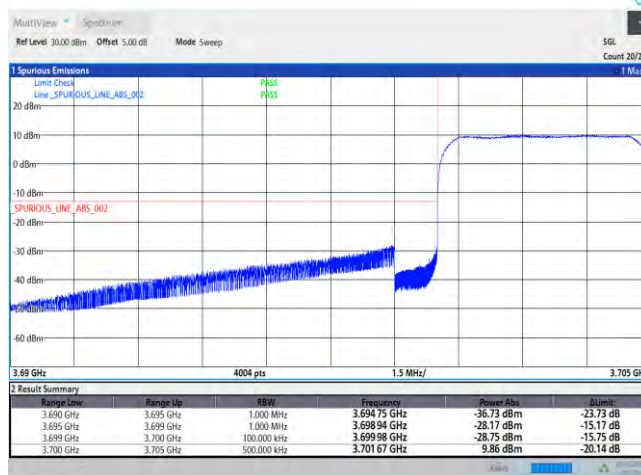
## Test Graphs

Band43-5MHz-QPSK-44615-1RB#0



09:37:44 20.03.2023

Band43-5MHz-QPSK-44615-25RB#0



09:38:48 20.03.2023



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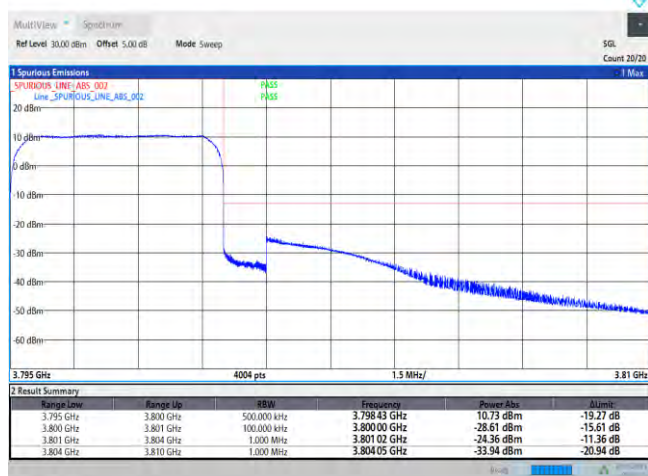
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Band43-5MHz-QPSK-45565-1RB#24



09:41:29 20.03.2023

Band43-5MHz-QPSK-45565-25RB#0



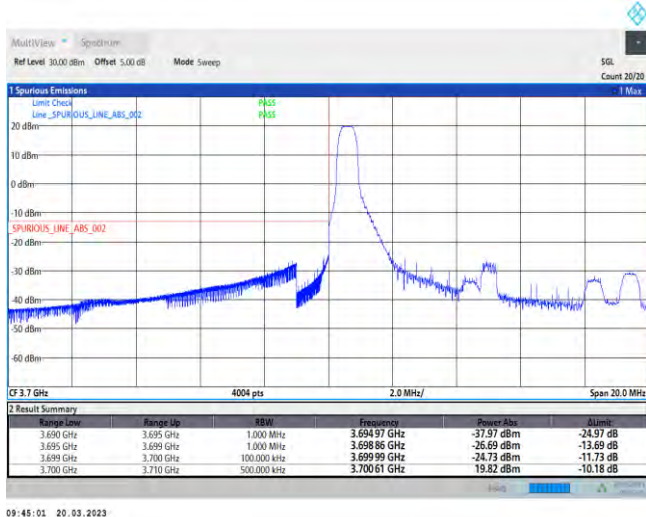
09:42:33 20.03.2023



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Band43-10MHz-QPSK-44640-1RB#0



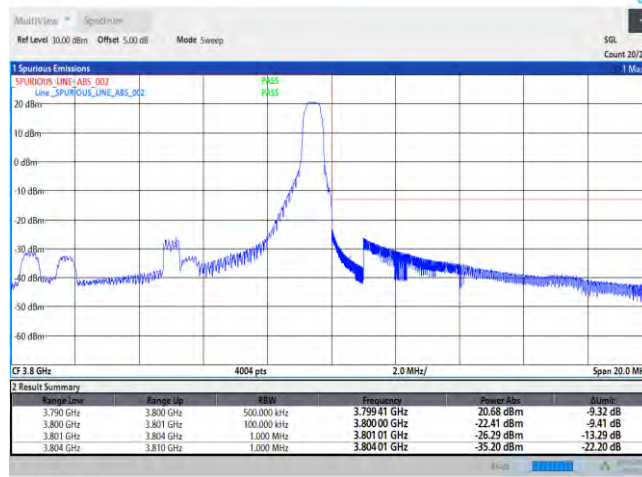
Band43-10MHz-QPSK-44640-50RB#0



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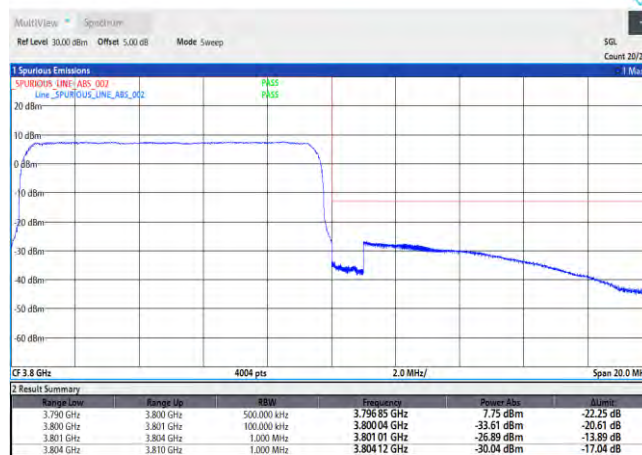
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Band43-10MHz-QPSK-45540-1RB#49



09:48:25 20.03.2023

Band43-10MHz-QPSK-45540-50RB#0



09:49:25 20.03.2023

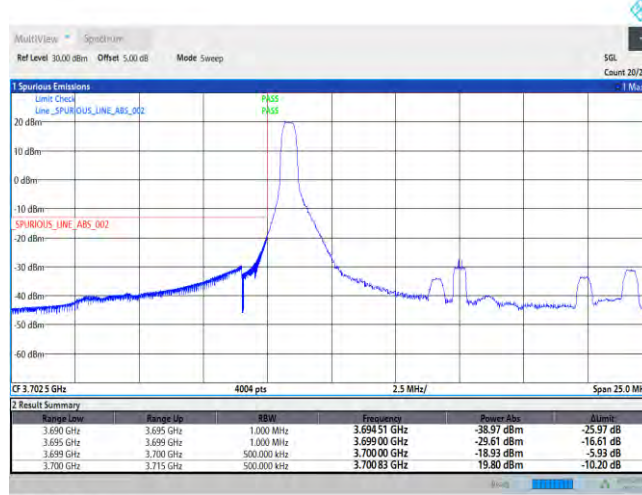


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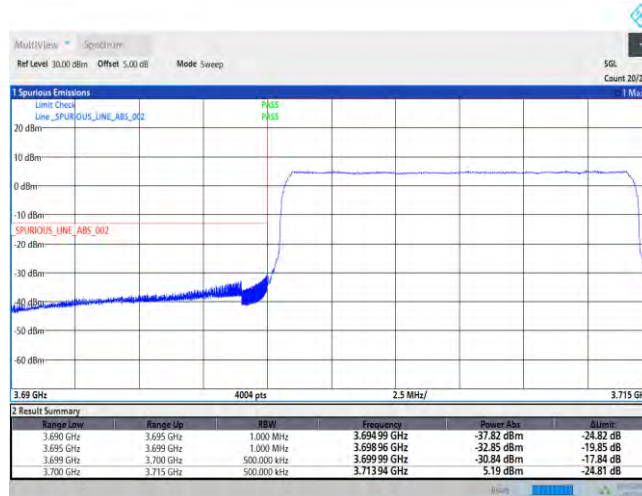


Band43-15MHz-QPSK-44665-1RB#0



09:51:52 20.03.2023

Band43-15MHz-QPSK-44665-75RB#0



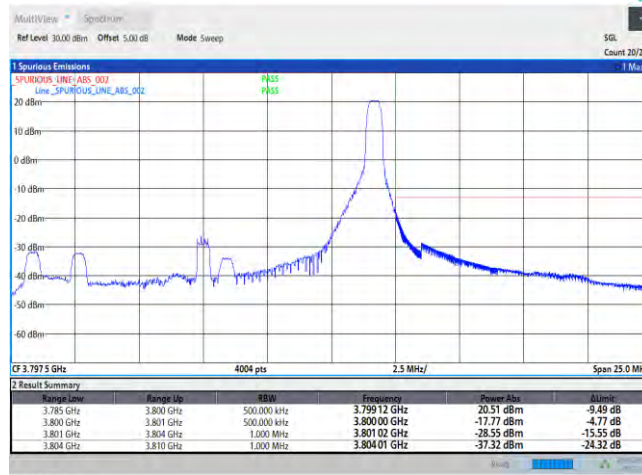
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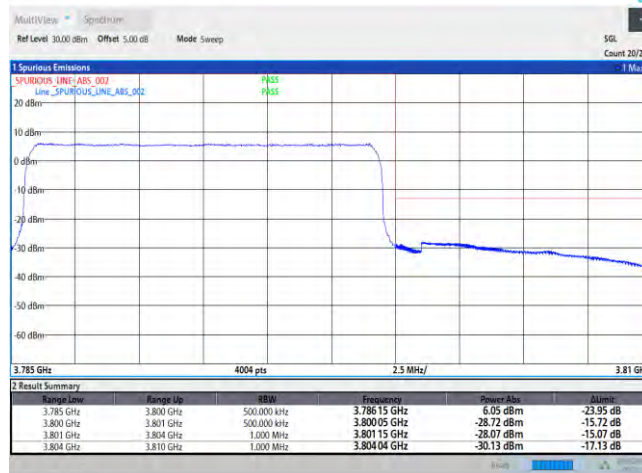
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Band43-15MHz-QPSK-45515-1RB#74



09:55:16 20.03.2023

Band43-15MHz-QPSK-45515-75RB#0



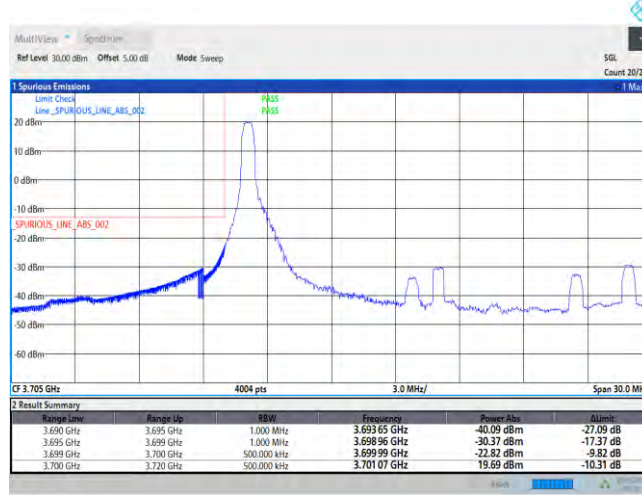
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Band43-20MHz-QPSK-44690-1RB#0



09:58:38 20.03.2023

Band43-20MHz-QPSK-44690-100RB#0



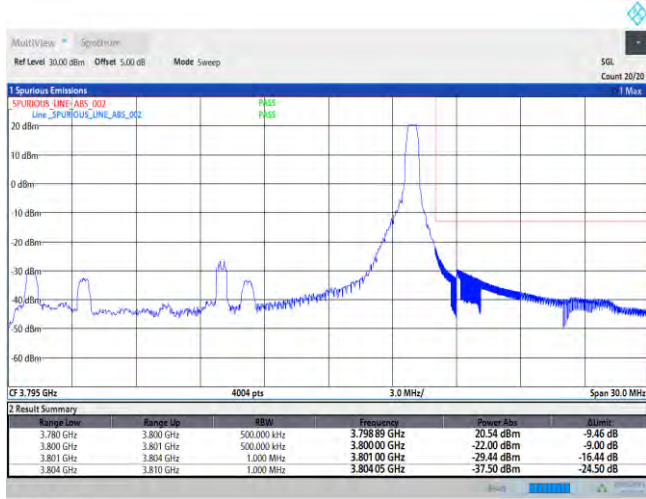
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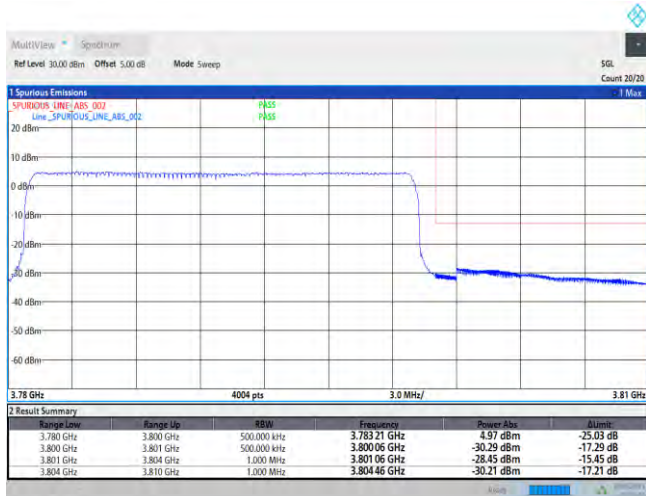
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Band43-20MHz-QPSK-45490-1RB#99



10:02:02 20.03.2023

Band43-20MHz-QPSK-45490-100RB#0



10:03:05 20.03.2023



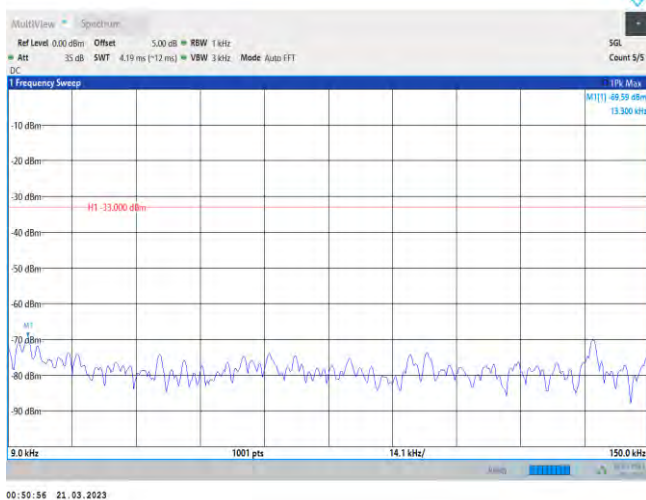
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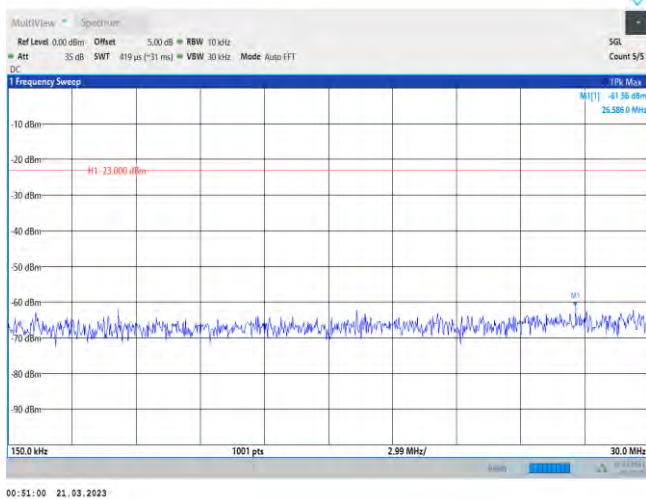
## Conducted Spurious Emission

### Test Graphs

Band43-20MHz-QPSK-44690-1RB#0-Range1:0.009~0.15MHz



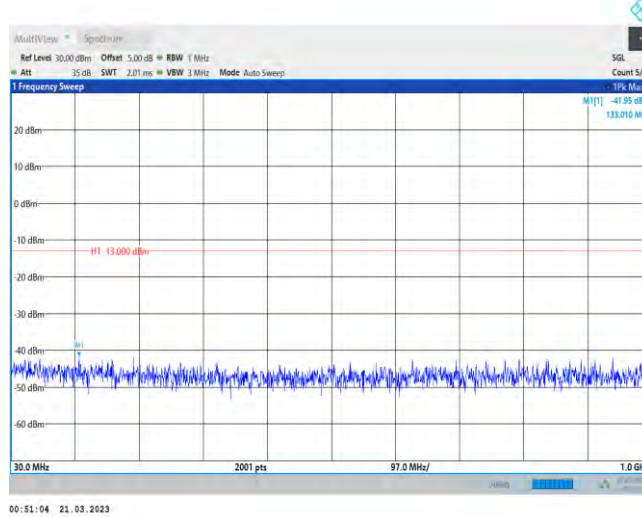
Band43-20MHz-QPSK-44690-1RB#0-Range2:0.15~30MHz



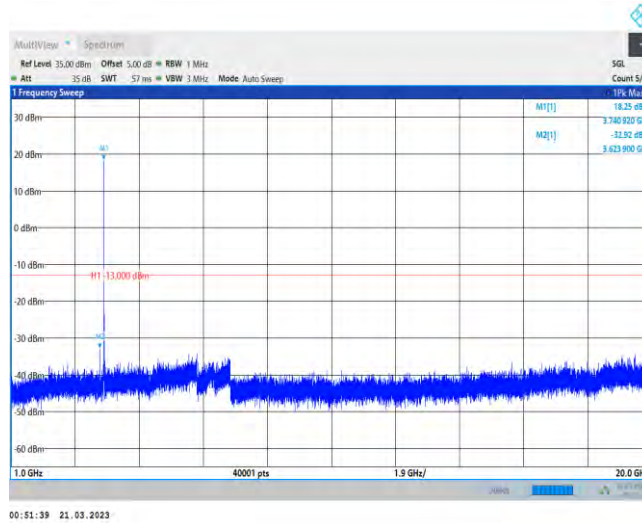
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Band43-20MHz-QPSK-44690-1RB#0-Range3:30~1000MHz



Band43-20MHz-QPSK-44690-1RB#0-Range4:1000~20000MHz

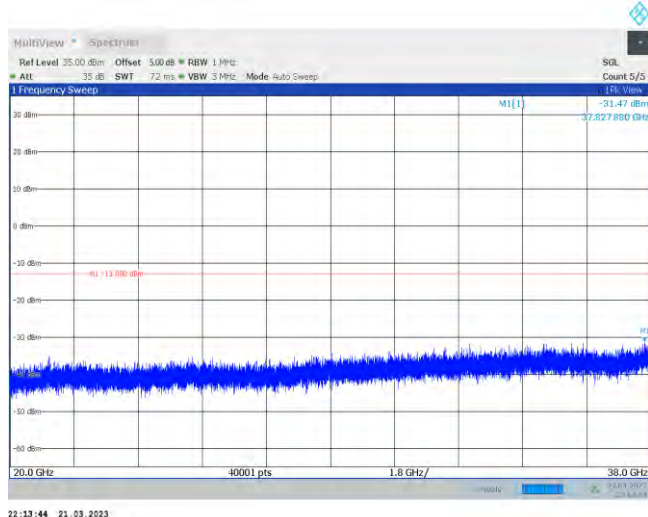


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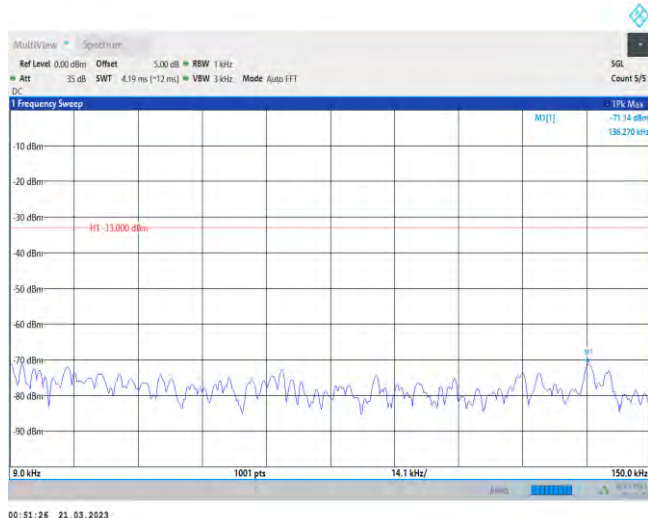
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Band43-20MHz-QPSK-44690-1RB#0-Range5:20000~38000MHz



22:13:44 21.03.2023

Band43-20MHz-QPSK-45090-1RB#0-Range1:0.009~0.15MHz

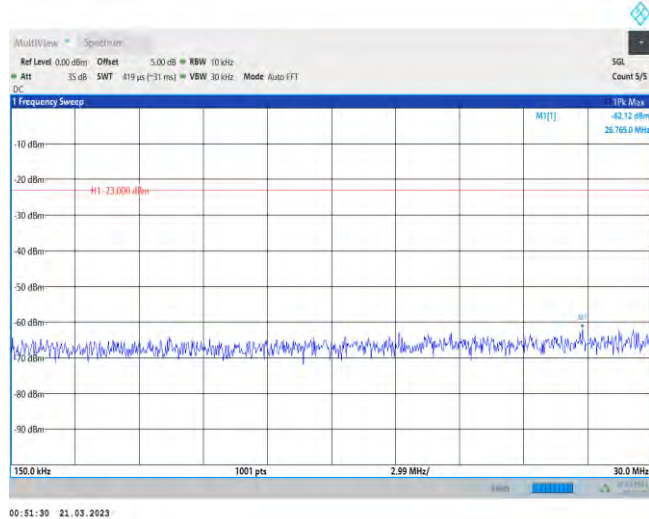


00:51:26 21.03.2023

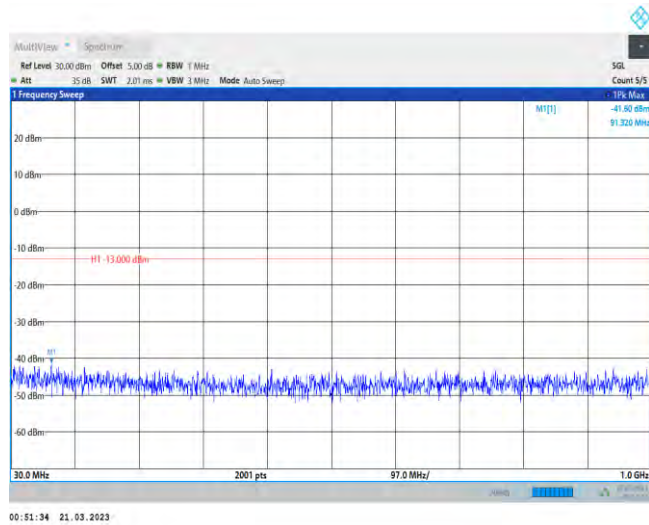


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Band43-20MHz-QPSK-45090-1RB#0-Range2:0.15~30MHz



Band43-20MHz-QPSK-45090-1RB#0-Range3:30~1000MHz

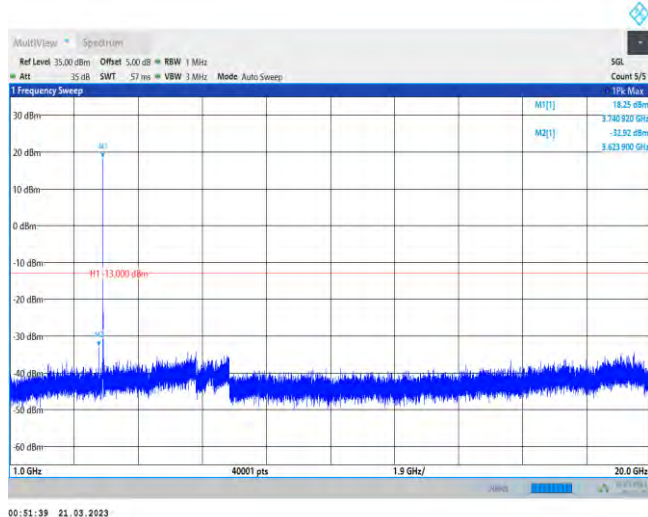


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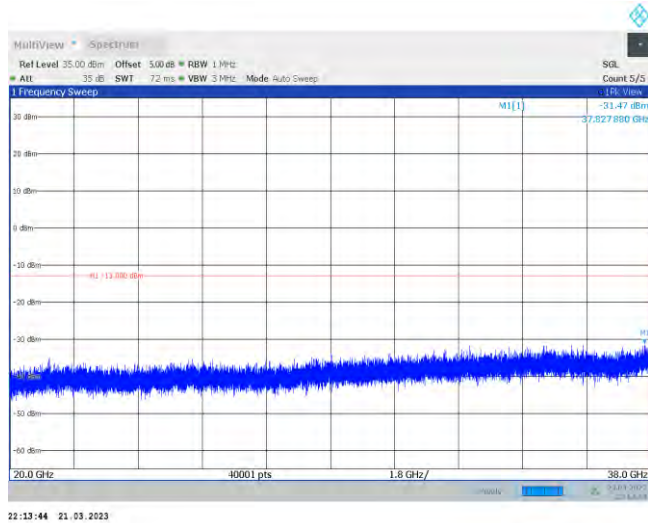
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Band43-20MHz-QPSK-45090-1RB#0-Range4:1000~20000MHz



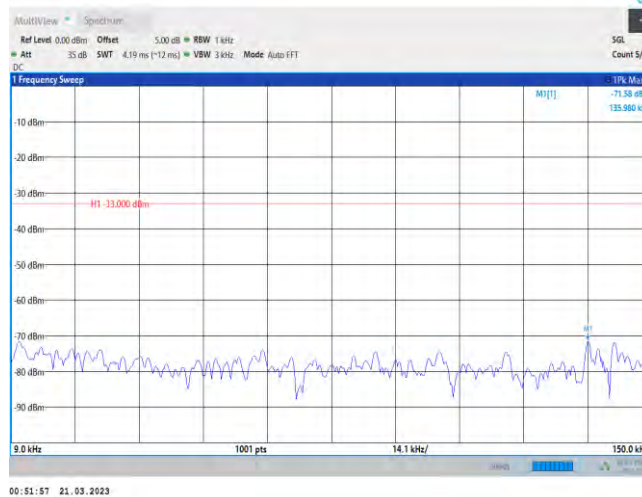
Band43-20MHz-QPSK-45090-1RB#0-Range5:20000~38000MHz



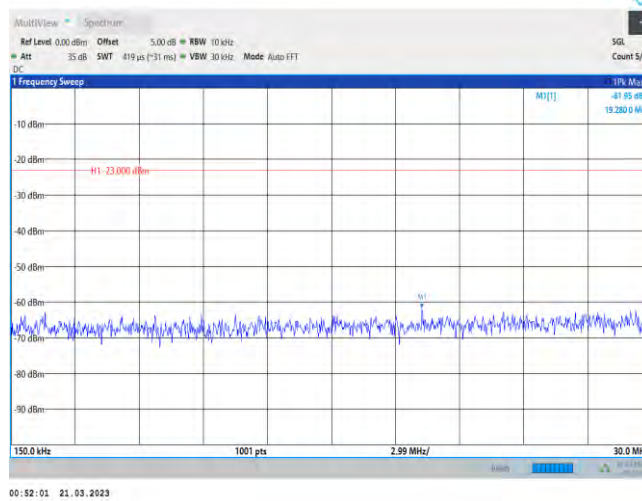
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Band43-20MHz-QPSK-45490-1RB#0-Range1:0.009~0.15MHz



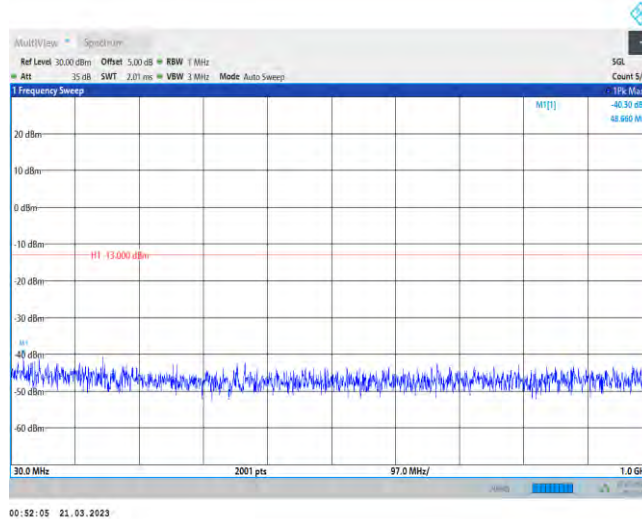
Band43-20MHz-QPSK-45490-1RB#0-Range2:0.15~30MHz



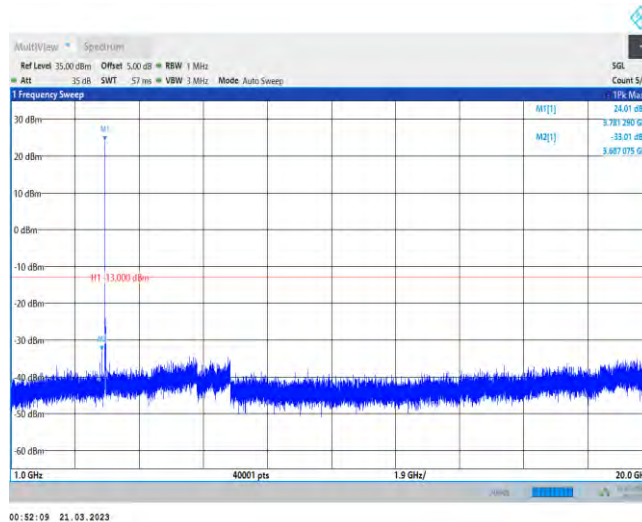
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Band43-20MHz-QPSK-45490-1RB#0-Range3:30~1000MHz



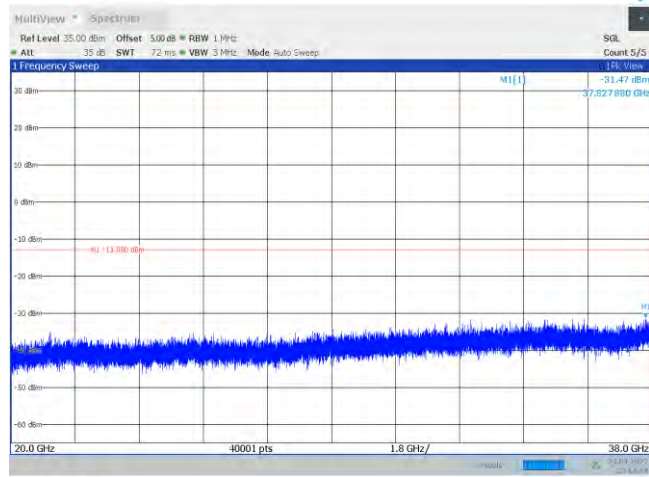
Band43-20MHz-QPSK-45490-1RB#0-Range4:1000~20000MHz



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Band43-20MHz-QPSK-45490-1RB#0-Range5:20000~38000MHz



22:13:44 21.03.2023



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## Field Strength of Spurious Radiation

Test Band = LTE Band43\_20MHz\_3700-3800\_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6334.5	43.20	-44.22	34.48	-61.79	-13.00	48.79	254	245	Horizontal
2	7402.1800	40.53	-43.26	36.49	-61.50	-13.00	48.50	136	0	Horizontal
3	9595.9167	37.48	-39.08	38.44	-58.42	-13.00	45.42	211	18	Horizontal
4	11103.2700	32.69	-37.66	39.09	-61.14	-13.00	48.14	198	133	Horizontal
5	14804.3600	31.51	-35.20	39.65	-59.29	-13.00	46.29	174	1	Horizontal
6	17795.8333	35.35	-34.54	40.79	-53.66	-13.00	40.66	185	311	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5156.1667	46.16	-45.29	32.97	-61.43	-13.00	48.43	228	195	Vertical
2	7402	48.79	-43.26	36.49	-53.25	-13.00	40.25	196	294	Vertical
3	8933.8333	39.58	-40.97	38.16	-58.49	-13.00	45.49	238	18	Vertical
4	11103.2700	33.04	-37.66	39.09	-60.79	-13.00	47.79	165	1	Vertical
5	14804.3600	31.82	-35.20	39.65	-58.98	-13.00	45.98	171	2	Vertical
6	17628.4167	33.16	-33.19	39.71	-55.57	-13.00	42.57	129	343	Vertical



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Test Band = LTE Band43 \_20MHz\_3700-3800\_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	47.13	-45.23	32.44	-60.92	-13.00	47.92	249	20	Horizontal
2	7482.1800	40.08	-43.03	36.45	-61.76	-13.00	48.76	183	20	Horizontal
3	9642	37.74	-39.16	38.39	-58.29	-13.00	45.29	255	68	Horizontal
4	11223.2700	34.06	-37.59	39.11	-59.68	-13.00	46.68	137	357	Horizontal
5	14964.3600	30.49	-34.77	39.30	-60.24	-13.00	47.24	146	150	Horizontal
6	16797.1667	34.44	-34.16	38.39	-56.60	-13.00	43.60	219	102	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	50.95	-45.23	32.44	-57.10	-13.00	44.10	278	49	Vertical
2	5978.6667	42.83	-44.70	34.09	-63.04	-13.00	50.04	168	16	Vertical
3	7481.9167	47.30	-43.03	36.45	-54.54	-13.00	41.54	213	99	Vertical
4	9260.5	38.61	-40.17	38.39	-58.44	-13.00	45.44	244	66	Vertical
5	11223.2700	34.23	-37.59	39.11	-59.51	-13.00	46.51	195	1	Vertical
6	14964.3600	31.45	-34.77	39.30	-59.28	-13.00	46.28	216	133	Vertical



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**Test Band = LTE Band43 \_20MHz\_3700-3800\_ TM1**

**Test Channel = High**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	47.66	-45.23	32.44	-60.39	-13.00	47.39	214	20	Horizontal
2	7562.1800	39.31	-42.94	36.41	-62.48	-13.00	49.48	189	169	Horizontal
3	9042.9167	39.40	-40.57	38.23	-58.20	-13.00	45.20	233	0	Horizontal
4	11343.2700	33.49	-37.34	39.11	-60.00	-13.00	47.00	189	11	Horizontal
5	15124.3600	30.39	-34.66	39.05	-60.48	-13.00	47.48	156	53	Horizontal
6	17177.5	35.93	-35.04	38.60	-55.78	-13.00	42.78	224	200	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5156.1667	45.28	-45.29	32.97	-62.31	-13.00	49.31	209	357	Vertical
2	7562.1800	41.82	-42.94	36.41	-59.97	-13.00	46.97	168	78	Vertical
3	9639.0833	37.87	-39.15	38.40	-58.14	-13.00	45.14	274	293	Vertical
4	11343.2700	33.49	-37.34	39.11	-60.00	-13.00	47.00	156	293	Vertical
5	15124.3600	30.48	-34.66	39.05	-60.39	-13.00	47.39	135	30	Vertical
6	17031.0833	34.77	-33.78	38.52	-55.76	-13.00	42.76	223	30	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	45090	100RB#0	VL	NT	1.30	0.000347	PASS
Band43	20MHz	QPSK	45090	100RB#0	VN	NT	6.90	0.001840	PASS
Band43	20MHz	QPSK	45090	100RB#0	VH	NT	9.80	0.002613	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	45090	100RB#0	NV	-30	5.10	0.001360	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	-20	-12.60	-0.003360	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	0	-8.40	-0.002240	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	10	-0.30	-0.000080	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	20	6.50	0.001733	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	30	-7.40	-0.001973	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	40	1.10	0.000293	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	50	6.00	0.001600	PASS

---End of Attachment---



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